

# PATENT SPECIFICATION

855,268

DRAWINGS ATTACHED.

Inventor:—OSMOND PHILIP RAPHAEL.

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International Classification:—G02c.

## COMPLETE SPECIFICATION.

### Spectacle Frames.

We, RAPHAELS LIMITED, a Company registered under the laws of Great Britain, of Charlton King's Road, Kentish Town, London, N.W.5, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to spectacle frames. It is a known practice to attach decorative embellishments, commonly known as "trims", to spectacle frames, and it is an object of the invention to provide an improved way of attaching trims.

According to the first aspect of the present invention, a spectacle frame includes a magnet adapted for the magnetic attachment of a trim.

According to a second aspect of the present invention, a spectacle frame includes at least one trim attached to the frame by magnetic attraction.

Thus either the frame or the trim or both consist of or include magnetised material, and if only one of these items is magnetised then the other consists of or includes magnetically-attractable material. For instance, if the trims are magnetised, then the frame may consist of or include either magnetised or magnetically-attractable material. Conversely, if the frame is magnetised then the trims may consist or include either magnetised or magnetically-attractable material.

One advantage of the invention is that it enables the trims to be removed or replaced or exchanged for different trims at the whim of the wearer. However, the invention can be used to provide a permanent fitting for the trims if desired, and in such a case the magnetic attachment may be assisted by

other forms of fixing such as locating pins or adhesives. In any case, according to a preferred feature of the invention there is a spigot and socket connection between the trim and the frame to assist in location and to reduce the possibility of accidental displacement of the trim. In a preferred construction, the frame includes a bar magnet sunk below the surface of the frame in a recess and the trim carries a projecting bar magnet which fits in the recess.

The invention may be performed in various ways and one spectacle frame embodying the invention will now be described by way of example with reference to the accompanying drawings in which:—

Figure 1 is a front elevation of the spectacle frame; and

Figure 2 is a section through the spectacle frame taken on the line 2—2 of Figure 1.

In the general construction, the spectacle frame shown in Figure 1 is of the usual type and consists of a front frame 1 which carries lenses 2 and two side pieces or temples which cannot be seen in the drawing but which are hinged to the rear sides of lugs 3 at each end of the frame member. In the front of the portions of the front frame 1 above each of the lenses there is a recess 4 which is generally rectangular and has rounded ends and which contains a small flat bar magnet 5 of the same general outline. As will be seen from Figure 2, the outer surface 6 of the bar magnet is recessed from the front surface 7 of the front frame 1.

The spectacles are fitted with a pair of identical trims only one, 8, of which is shown in the drawing, the left-hand side of the front frame being shown in Figure 1 without a trim fitted. Each of the trims consists of a piece of sheet material 9 carrying on its

[Price 3s. 6d.]

outer side any suitable form of decoration  
10. To the back of each trim there is  
fastened by means of adhesive a small flat  
bar magnet 11 similar to the bar magnets 5  
fitted to the front frame 1.

When the trim is fitted to the spectacle  
frame, the bar magnet 11 enters the recess 4,  
in the front frame and the two magnets 5  
and 11 attract one another and the trim is  
held firmly on the front frame. The bar  
magnet 11 is a snug fit in the recess 4 and  
thus the trim is prevented from rotating  
relative to the front frame.

Although the trims have been described  
as being attached to the upper parts of the  
front frame of the spectacles they could  
clearly be attached in the same way to any  
other part on which decoration is required,  
for example the sides of the side pieces or  
temples.

#### WHAT WE CLAIM IS:—

1. A spectacle frame including a magnet

adapted for the magnetic attachment of a  
trim.

2. A spectacle frame including at least  
one trim attached to the frame by magnetic  
attraction.

3. A spectacle frame as claimed in  
Claim 2 in which there is also a spigot and  
socket connection between the trim and the  
spectacle frame.

4. A spectacle frame as claimed in  
Claim 3 in which a bar magnet is sunk in  
a recess below the surface of the frame and  
the trim carries a projecting bar magnet  
which fits the recess to provide the spigot  
and socket connection.

5. A spectacle frame including at least  
one trim substantially as described herein  
with reference to the accompanying drawings.

KILBURN & STRODE,

Agents for the Applicants.

### PROVISIONAL SPECIFICATION.

#### Spectacle Frames.

We, RAPHAELS LIMITED, a Company  
registered under the laws of Great Britain,  
of Charlton King's Road, Kentish Town,  
London, N.W.5, do hereby declare this in-  
vention to be described in the following  
statement:—

This invention relates to spectacle frames.

It is a common practice to attach decora-  
tive embellishments, commonly known as  
"trims", to spectacle frames, and it is an  
object of the invention to provide an im-  
proved way of attaching trims.

According to the present invention trims  
are attached to a spectacle frame by mag-  
netic attraction.

Thus, either the frame or the trims or  
both consist of or include magnetised ma-  
terial, and if only one of these items is  
magnetised then the other consists of or  
includes magnetically-attractable material.  
For instance, if the trims are magnetised  
then the frame may consist of or include

either magnetised or magnetically-attractable  
material. Conversely, if the frame is mag-  
netised then the trims may consist of or  
include either magnetised or magnetically-  
attractable material.

Where the frame or the trims are made  
predominantly of a plastic material such as  
celluloid or cellulose acetate it may have  
magnetised or magnetically-attractable in-  
serts.

One advantage of the invention is that  
it enables the trims to be removed and re-  
placed, or exchanged for different trims, at  
the whim of the wearer. However, the in-  
vention can be used to provide a permanent  
fixing for the trims if desired. In such a  
case the magnetic fixing may be assisted by  
other forms of fixing such as locating pins  
or adhesives.

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855,268

1 SHEET

COMPLETE SPECIFICATION

This drawing is a reproduction of the Original on a reduced scale.

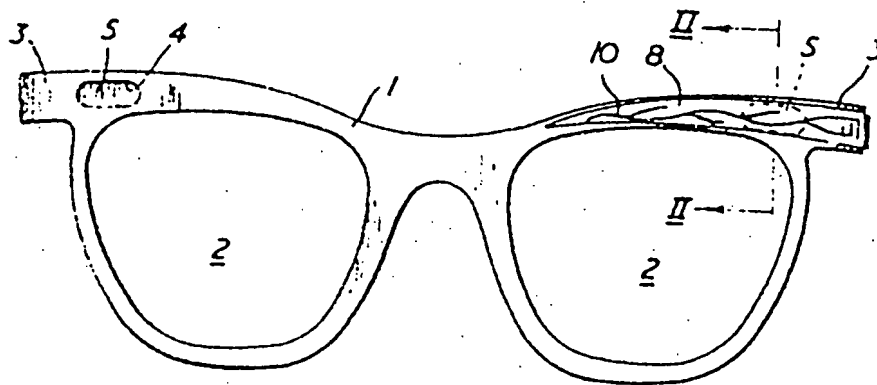


FIG. 1.

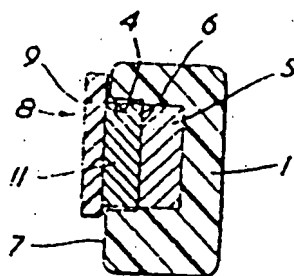


FIG. 2.